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(71) Applicant (for all designated States except US): **OWEN MUMFORD LIMITED** [GB/GB]; Brook Hill, Woodstock, Oxfordshire OX20 1TU (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROLFE, Steven, Mark, Guy** [GB/GB]; 18 Crosslands, Fringford, Bicester, Oxon OX27 8DF (GB). **MARSHALL, Jeremy** [GB/GB]; 16 Cranham Street, Jericho, Oxford OX2 6DD (GB).

(74) Agents: **WYNNE-JONES, LAINE & JAMES** et al.; Essex Place, 22 Rodney Road, Cheltenham GL50 1JJ (GB).

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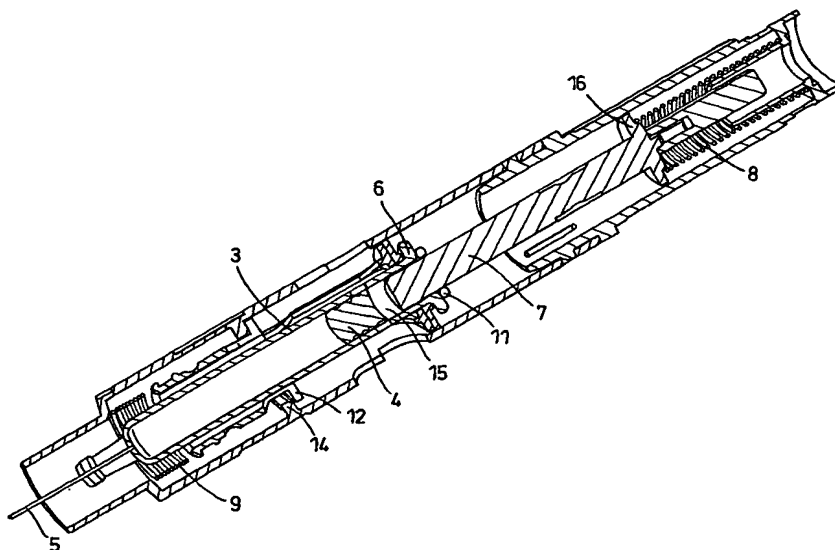
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(54) Title: AUTOMATIC PEN-TYPE INJECTOR



(57) Abstract: A syringe (1) is moved bodily forward by a plunger (7) (after release of a spring 8) by acting through an O-ring pressing onto an enlarged head (16) of a syringe container (3), in order to expose the needle (5) of the syringe before the plunger acts on a plug (4) within the syringe to cause the liquid to be ejected through the needle. There is, therefore, a two-step movement of the plunger, firstly together with the syringe through the medium of the O-ring, and secondly within the syringe container to force the plug forward, when a ledge (12) on the syringe container (3) is arrested by a stop (14), whereupon the frictional force between the plunger and the O-ring is relieved so that the plunger slides forward through the O-ring.



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